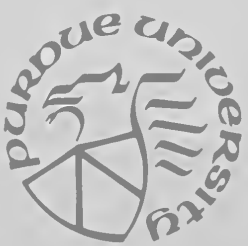
SCHOOL OF CIVIL ENGINEERING

JOINT HIGHWAY RESEARCH PROJECT

JHRP-79-4

TRAFFIC SPEED REPORT NO. 108

R. P. Guenthner
G. K. Stafford



PURDUE UNIVERSITY
INDIANA STATE HIGHWAY COMMISSION

TRAFFIC SPEED REPORT NO. 108

TO: Harold L. Michael, Director
Joint Highway Research Project

July 11, 1979

File: 8-3-3

FROM: Richard P. Guenthner
Graduate Instructor in Research
Joint Highway Research Project

Project: C-36-10C

The attached Progress Report No. 108 on Traffic Speeds is the report of the January - March 1979 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane, and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. R. P. Guenthner, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed for all vehicles is relatively unchanged from the previous quarterly report. The overall average speed for passenger cars had decreased by only 0.5 mph and the average speed for trucks has shown a decrease of 0.2 mph.

Overall trends for the past year indicate relatively unchanged speeds. The exception was the July-September quarter which indicated overall speeds approximately 1 mph lower than the other three quarters.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment, and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,

Richard P. Guenthner

Richard P. Guenthner
Graduate Instructor in Research

rpg:kes

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Interim Report

TRAFFIC SPEED REPORT NO. 108

by

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and

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Project No.: C-36-10C

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Prepared as Part of an Investigation

Conducted by

Joint Highway Research Project
Engineering Experiment Station
Purdue University

in cooperation with the

Indiana State Highway Commission

and the

U. S. Department of Transportation
Federal Highway Administration

Purdue University
West Lafayette, Indiana
July 11, 1979

TECHNICAL REPORT STANDARD TITLE PAGE

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15. Supplementary Notes

Conducted in cooperation with the U. S. Department of Transportation, Federal Highway Administration. Planning Study titled "Speed Trends for Indiana Highways."

16. Abstract

This report is another in the continuing study of speeds of vehicles on Indiana highways. Observation of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the January - March 1979 quarter.

Analysis of the speeds showed the overall average speed for all vehicles was 58.0 mph. The overall average speed for passenger cars and all trucks was 58.3 mph and 57.4 mph respectively. These overall average speeds were 0.5 mph less for passenger cars and 0.2 mph less for trucks than speeds found in the October - December 1978 study (Speed Report No. 107).

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Speeds, Highway Speeds, Rural Highway Speeds, Speed Trends 55 mph Speed Effect	No. restrictions. This document is available to the public through The National Technical Information Service, Springfield, VA 22161

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Form DOT F 1700.7 (8-69)

TRAFFIC SPEED REPORT NO. 108

This report is an analysis of spot speed observations made between January and March 1979. Due to inclement weather in March, a few observations were made in early April. All observations were of free flowing vehicles on level, tangent sections of rural and urban highways. All observations were made during daylight under favorable weather conditions.

The speed monitoring stations for each highway classification were divided into two groups. The first group is identified as "control stations" and studied from the same locations on selected Federal and State highways as used in previous studies. Seven "primary control stations" are used in each quarterly study. The second group of seven stations is selected at random for each quarterly study. A total of fourteen speed monitoring stations were used for this reported study.

Stations were classified as rural two-lane, four-lane, or interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations follow and are also shown in Figure A.

Rural Interstate Highways

*RI-21 (I-69)	1.6 miles south of S.R. 18
*RI-6 (I-65)	2.3 miles south of S.R. 56, 50 yards south of 27 mile marker
RI-5 (I-64)	5.35 miles east of S.R. 135
RI-20 (I-69)	2.4 miles north of S.R. 28

Four-Lane Highways

*4L-32 (U.S. 30)	2.9 miles west of Wanatak City limit sign
*4L-17 (U.S. 52)	150' east of C.R. 475 West
4L-7 (U.S. 40)	11.9 miles east of U.S. 231
4L-26 (S.R. 9)	2.55 miles south of S.R. 128

Two-Lane Highways

*2L-18 (U.S. 35)	2.5 miles east of I-69
*2L-54 (U.S. 231)	1.1 miles south of S.R. 234
2L-30 (U.S. 52)	1.1 miles east of New Palestine
2L-23 (S.R. 28)	1.8 miles west of S.R. 341

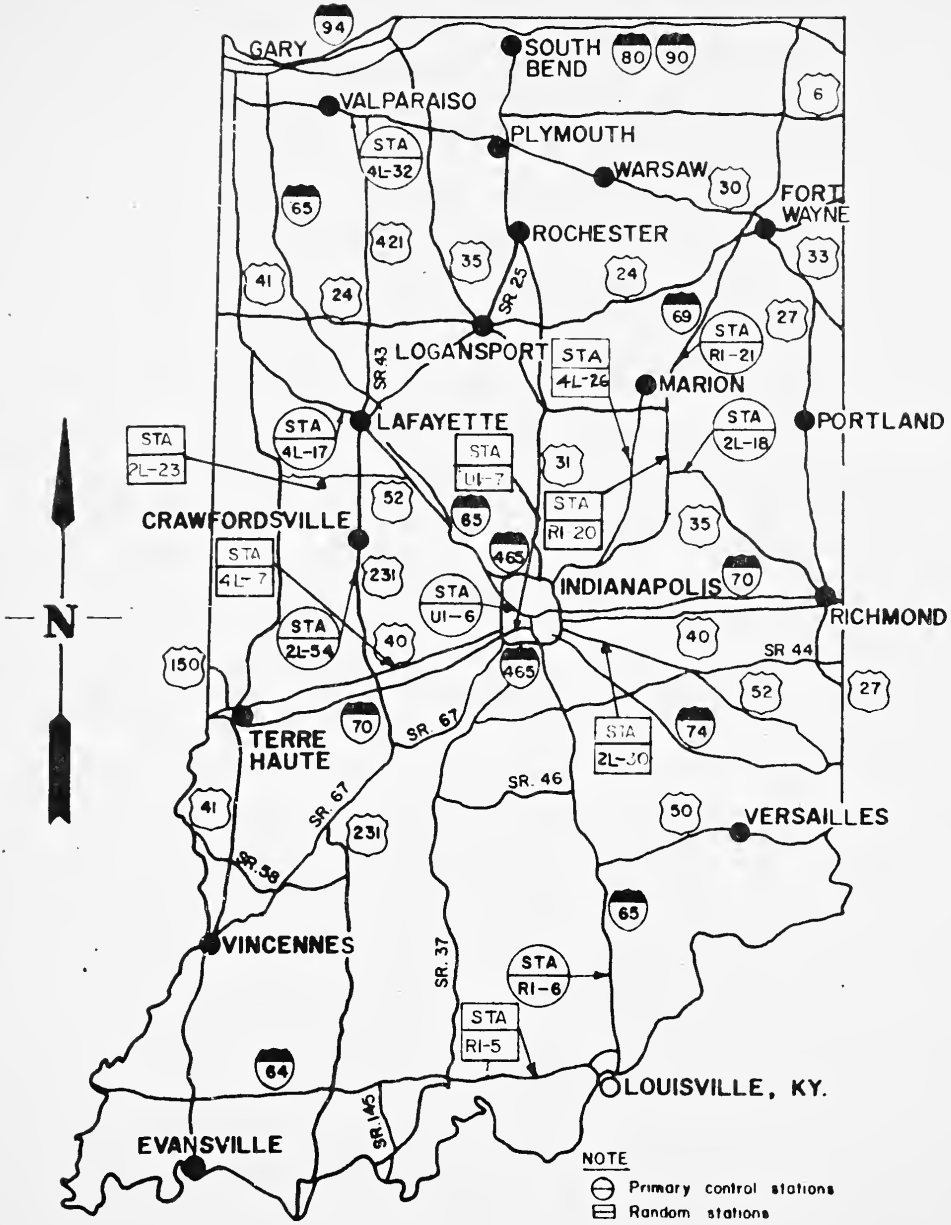

FIGURE A. LOCATIONS OF SPEED—STUDY STATIONS

Urban Interstate Highways

*UI-6 (I-65)	Just east of White River
UI-7 (I-70)	0.6 miles east of I-465 west leg

*Primary Control Stations.

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5,000 lbs. gross weight) or Heavy (equal to or more than 5,000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit is 55 mph at all speed monitoring stations.

Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the side facing traffic and the rear window was shutterred so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a 15 minute period following. Such periods rarely occurred on other than interstate roads where they occurred frequently.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than 10°. No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

RESULTS OF ANALYSIS

The data collected were analyzed and are summed in Tables 1 to 14 in the Appendix. Tables 15, 16, 17, and 18 summarize the data for rural interstate, four-lane, two-lane, and urban interstate highways, respectively. Table 19 is the summary for all highways. Tables 20 through 34 are summaries in FHWA format which that organization requires.

The overall speed trends for this study are as follows:

All Vehicles	Jan.-Mar. 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
Average	58.0	58.3	57.2	58.1
85 Percentile	63.1	63.0	61.9	62.9
Percent exceeding 55 mph	69.2	72.3	64.7	70.0
Percent exceeding 60 mph	31.3	33.0	25.1	31.0
Percent exceeding 65 mph	8.5	8.5	6.0	8.0

The average speed for each classification of vehicles on each type of highway for this study was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	58.8	60.4	56.8	57.3
Non-Indiana	59.2	60.4	58.1	58.8
All Passenger Cars	58.8	60.4	56.9	57.4
85 Percentile (all)	62.6	64.5	62.1	62.8
Trucks:				
Less than 5,000 lbs.	57.9	59.1	56.4	56.8
5,000 lbs. or more	56.9	60.4	56.2	55.2
All Vehicles:				
Average	58.2	60.2	56.7	56.9
85 Percentile	62.2	64.6	62.0	62.3

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	79.0	87.0	60.5	61.8
Non-Indiana	78.3	83.9	75.0	75.6
All Passenger Cars	78.9	86.1	61.9	62.8
Trucks:				
Less than 5,000 lbs.	72.5	78.4	60.8	57.5
5,000 lbs. or more	68.2	86.1	58.0	47.7
All Vehicles:	75.3	85.0	61.0	58.9

The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	30.0	46.2	23.8	26.3
Non-Indiana	28.3	47.3	27.9	37.2
All Passenger Cars	29.8	46.6	24.2	27.1
Trucks:				
Less than 4,000 lbs.	28.1	40.0	23.1	26.8
5,000 lbs. or more	22.8	49.8	22.3	19.5
All Vehicles:	27.9	46.4	23.7	25.6

The percent of vehicles traveling more than 10 mph above the speed limit (exceeding 65 mph) for each case was as follows:

	Interstate		Other Four Lane	Two Lane
	Urban	Rural	Rural	Rural
Passenger Cars:				
Indiana	6.0	13.0	6.5	9.4
Non-Indiana	10.0	13.9	8.7	14.1
All Passenger Cars	6.5	13.3	6.7	9.7
Trucks:				
Less than 5,000 lbs.	3.6	9.2	5.0	7.1
5,000 lbs. or more	3.7	14.1	4.3	4.3
All Vehicles:	5.3	12.9	5.9	8.2

Summary and Conclusions

Overall average speed for all vehicles and passenger cars in the January - March 1979 study were found to be 58.0 and 58.3 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 0.3 and 0.5 mph below the results of the October - December 1978 study. The overall average speeds for all trucks and heavy trucks in this January - March 1979 study were found to be 57.4 and 57.6 mph respectively. These figures show a 0.3 and 0.2 mph decrease over the previous quarter. The conclusion can be made that these changes are relatively insignificant.

Table A presents a comparison of the overall speed results with that of the previous three studies. It may be noted that the overall speeds are very stable for the January - March 1979, the October - December 1978, and the April - June 1978 studies. However, the July - September 1978 indicates that the speeds for that quarter were about 1 mph lower for all classes of vehicles.

A comparison of January - March 1979 speed data with that for other recent periods for each type of highway is shown in Tables B, C, D, and E.

These tables show that the changes in speeds from the previous quarter are about the same for interstate highways as for all highways. One exception is that heavy trucks showed an increase in speed of 0.5 mph on rural interstate.

However, Table D indicates that speeds have dropped on other four lane highways for all vehicle classifications. Passenger cars showed a drop in speed of 1.1 mph from the October - December 1978 study. Heavy trucks were down in speed by 2.1 mph over the same time period.

Table E indicates that speeds over the last two studies are rather stable on two lane highways. The largest change is a drop of 0.5 mph for out-of-state passenger cars.

Table A

Comparison of the Overall Speed Results

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
Average:				
All Passenger Cars	58.3	58.8	57.6	58.4
Heavy Trucks	57.6	57.8	57.3	57.9
All Trucks	57.4	57.7	56.8	57.6
85 Percentile:				
All Passenger Cars	63.2	63.2	62.1	63.1
Heavy Trucks	63.2	62.9	62.2	62.7
All Trucks	63.0	62.7	61.7	62.7
15 Percentile:				
Heavy Trucks	51.5	51.6	51.6	52.1

Table B

Average Speeds on Interstate Highways (Urban)

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
Passenger Cars:				
Indiana	58.8	59.3	58.0	59.2
Non-Indiana	59.2	59.7	57.9	57.9
All Passenger Cars	58.8	59.3	58.0	59.1
85 Percentile (all)	62.6	62.9	62.1	62.9
Trucks:				
Less than 5,000 lbs.	57.9	58.7	56.5	58.4
5,000 lbs. or more	56.9	57.8	56.8	57.7

Table C

Average Speeds on Interstate Highways (Rural)

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
Passenger Cars:				
Indiana	60.4	60.8	58.5	60.5
Non-Indiana	60.4	60.6	60.1	60.5
All Passenger Cars	60.4	60.7	59.2	60.5
85 Percentile (all)	64.5	64.7	63.1	64.9
Trucks:				
Less than 5,000 lbs.	59.1	59.4	58.2	59.3
5,000 lbs. or more	60.4	59.9	59.4	60.0

Table D

Average Speeds on Other Four-Lane Highways

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
Passenger Cars:				
Indiana	56.8	57.8	56.9	57.5
Non-Indiana	58.1	59.5	57.5	58.2
All Passenger Cars	56.9	58.0	56.9	57.6
85 Percentile (all)	62.1	62.6	61.6	62.2
Trucks:				
Less than 5,000 lbs.	56.4	56.9	55.4	57.2
5,000 lbs. or more	56.2	58.3	56.2	57.9

Table E

Average Speeds on Two-Lane Highways

	Jan.-March 1979	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978
Passenger Cars:				
Indiana	57.3	57.3	56.4	56.5
Non-Indiana	58.8	58.3	56.2	57.5
All Passenger Cars	57.4	57.4	56.4	56.8
85 Percentile (all)	62.8	62.0	61.0	61.6
Trucks:				
Less than 5,000 lbs.	56.8	56.6	55.0	55.3
5,000 lbs. or more	55.3	54.9	55.5	54.9

APPENDIX

TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 7.5 miles north of S.R. 160

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER partly sunny

THIS OBSERVATION
DATE 4-5-79
TIME 1:10-2:15 PM NB
11:48 AM - 12:53 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE 11-9-78
TIME 9:18-10:32 AM NB
10:48-11:43 AM SB

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	226	300	192	214	34	86	216	147	59	60	157	87
AVE. SPEED (MPH)	61.20	60.69	61.20	60.70	61.00	60.66	60.80	60.85	58.70	59.80	61.60	61.57
STANDARD DEVIATION	4.734	4.273	4.848	4.410	4.093	3.937	5.253	4.816	6.316	4.609	4.580	4.848
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
OF 49 MPH	.9	0	1.0	0	0	0	2.8	1.4	6.8	1.7	1.3	1.1
VEHICLES 54 MPH	5.8	6.7	6.3	6.1	2.9	8.1	11.1	8.2	23.7	10.0	6.4	6.9
TRAVELING 59 MPH	36.3	38.7	35.9	39.3	38.2	37.2	38.9	40.1	59.3	50.0	31.2	33.3
AT OR 64 MPH	79.6	83.3	79.7	82.7	79.4	84.9	78.2	78.2	88.1	86.7	74.5	72.4
LESS THAN 69 MPH	94.7	97.3	94.3	96.7	97.1	98.8	95.4	95.9	94.9	96.7	95.5	95.4
74 MPH	99.1	99.7	99.0	99.5	100.0	100.0	99.1	100.0	96.6	100.0	100.0	100.0
79 MPH	99.6	100.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	92	156	79	113	13	43	127	77	22	32	105	45
AVERAGE SPEED	61.70	61.03	61.80	61.04	60.80	61.02	62.00	60.60	60.50	59.06	62.30	61.69
DIRECTION	SB											
NUMBER OF VEHICLES	134	144	113	101	21	43	89	70	37	28	52	42
AVERAGE SPEED	60.90	60.32	60.80	60.33	61.20	60.30	59.10	61.13	57.60	60.64	60.20	61.45

TABLE 2 SPEED DATA

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 miles south of S.R. 18

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER clear

THIS OBSERVATION
DATE 3-14-79
TIME 11:15 AM - 12:24 PM NB
12:42 - 1:48 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE 10-2-78
TIME 2:21 - 3:52 PM NB
4:05 - 5:15 PM SB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		≥5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	343	238	267	139	76	99	176	189	85	60	91	129
AVE. SPEED (MPH)	61.20	59.42	61.10	59.74	61.70	58.96	60.50	58.89	60.70	58.07	60.20	59.27
STANDARD DEVIATION	4.857	4.799	4.797	5.022	5.064	4.451	4.905	4.993	5.095	4.787	4.738	5.059
24 MPH	0	0	0	0	0	0	0	0	0	0	0	[illegible]
29 MPH	0	0	0	0	0	0	0	0	0	0	0	[illegible]
34 MPH	0	0	0	0	0	0	0	0	0	0	0	[illegible]
39 MPH	0	0	0	0	0	0	0	0	0	0	0	[illegible]
PERCENT 44 MPH	0	.4	0	.7	0	0	0	.5	0	0	0	.8
OF 49 MPH	.3	2.9	0	2.9	1.3	3.0	.6	5.3	0	6.7	1.1	4.7
VEHICLES 54 MPH	7.0	13.4	7.1	13.7	6.6	13.1	10.8	16.9	10.6	23.3	11.0	14.7
TRAVELING 59 MPH	35.9	49.2	37.5	46.0	30.3	53.5	45.5	52.4	45.9	58.3	45.1	49.6
AT OR 64 MPH	79.6	88.7	80.5	85.6	76.3	92.9	77.3	87.3	76.5	95.0	78.0	83.7
LESS THAN 69 MPH	95.3	97.1	95.5	95.7	94.7	99.0	96.6	100.0	95.3	100.0	97.8	100.0
74 MPH	98.5	100.0	98.9	100.0	97.4	100.0	99.4	100.0	98.8	100.0	100.0	100.0
79 MPH	99.4	100.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	170	112	132	62	38	50	86	101	43	33	43	68
AVERAGE SPEED	61.80	60.38	61.70	60.98	62.20	59.64	61.30	60.25	60.90	58.70	61.70	61.[illegible]
DIRECTION	SB											
NUMBER OF VEHICLES	173	126	135	77	38	49	90	88	42	27	48	61
AVERAGE SPEED	60.60	58.56	60.40	58.74	61.30	58.27	59.60	57.33	60.50	57.30	58.90	57.74

TABLE 3 SPEED DATA

STATION RI-5 HIGHWAY I-64 LOCATION 5.35 miles east of S.R. 135

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER cloudy

THIS OBSERVATION
DATE 4-9-79
TIME 11:10 AM - 12:10 AM EB
12:25 PM - 1:45 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	253	0	183	0	70	0	178	0	89	0	89
AVE. SPEED (MPH)	0	60.32	0	59.98	0	61.21	0	60.16	0	59.55	0	60.78
STANDARD DEVIATION	0	5.338	0	5.314	0	5.338	0	5.840	0	5.952	0	5.692
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.4	0	.5	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.4	0	.5	0	0	0	0	0	0	0	0
OF 49 MPH	0	1.2	0	1.1	0	1.4	0	4.5	0	5.6	0	3.4
VEHICLES 54 MPH	0	9.9	0	11.5	0	5.7	0	15.7	0	16.9	0	14.6
TRAVELING 59 MPH	0	47.0	0	50.8	0	37.1	0	44.4	0	48.3	0	40.4
AT OR 64 MPH	0	83.8	0	85.8	0	78.6	0	75.8	0	83.1	0	68.5
LESS THAN 69 MPH	0	93.3	0	94.0	0	91.4	0	94.4	0	93.3	0	95.5
74 MPH	0	98.4	0	98.4	0	98.6	0	99.4	0	98.9	0	100.0
79 MPH	0	99.6	0	99.5	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	114	0	85	0	29	0	105	0	49	0	56
AVERAGE SPEED	0	59.74	0	59.75	0	59.69	0	59.90	0	59.71	0	60.05
DIRECTION WB												
NUMBER OF VEHICLES	0	139	0	98	0	41	0	73	0	40	0	33
AVERAGE SPEED	0	60.81	0	60.18	0	62.29	0	60.55	0	59.35	0	62.27

TABLE 4 SPEED DATA

STATION RI-20 HIGHWAY I-69 LOCATION 2.4 miles north of SR 28

NO. OF LANES 4 TYPE OF SURFACE concrete WEATHER sunny

THIS OBSERVATION
DATE 3-21-79
TIME 2:03 - 3:00 PM NB
3:19 - 4:04 PM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.	>5000 LBS.
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	PRES-ENT	PRES-ENT
NUMBER OF VEHICLES	0	270	0	208	0	62	0	154	41	113
AVE. SPEED (MPH)	0	60.95	0	60.88	0	61.18	0	60.10	58.61	60.69
STANDARD DEVIATION	0	5.333	0	5.158	0	5.922	0	5.005	5.890	4.551
24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.4	0	.5	0	0	0	0	0	0
OF 49 MPH	0	1.1	0	1.0	0	1.6	0	2.6	7.3	.9
VEHICLES 54 MPH	0	9.3	0	8.7	0	11.3	0	11.7	22.0	8.0
TRAVELING 59 MPH	0	41.5	0	41.3	0	41.9	0	44.2	61.0	38.1
AT OR 64 MPH	0	78.1	0	80.3	0	71.0	0	80.5	82.9	79.6
LESS THAN 69 MPH	0	94.4	0	94.7	0	93.5	0	96.8	92.7	98.2
74 MPH	0	97.4	0	98.1	0	95.2	0	99.4	100.0	99.1
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
DIRECTION NB										
NUMBER OF VEHICLES	0	129	0	106	0	23	0	82	20	62
AVERAGE SPEED	0	59.55	0	59.81	0	58.35	0	59.23	56.55	60.10
DIRECTION SB										
NUMBER OF VEHICLES	0	141	0	102	0	39	0	72	21	51
AVERAGE SPEED	0	62.23	0	61.99	0	62.85	0	61.10	60.57	61.31

TABLE 5 SPEED DATA

STATION 4L-17 HIGHWAY U.S. 52 LOCATION Tippecanoe Co. - 150' east of CR 475 W

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER clear

THIS OBSERVATION
DATE 3-12-79
TIME 12:27 - 1:56 PM EB
9:45 - 11:39 AM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE 10-1-78
TIME 9:30 - 11:18 AM EB
12:40 - 2:23 PM WB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION	LASI	PRES-ENT	LASI	PRES-ENT	LASI	PRES-ENT	LASI	PRES-ENT	LASI	PRES-ENT	LASI	PRES-ENT
NUMBER OF VEHICLES	323	279	309	243	14	36	159	163	106	96	53	67
AVE. SPEED (MPH)	57.00	56.51	57.00	56.39	56.50	57.31	55.50	56.15	55.00	56.53	56.30	55.60
STANDARD DEVIATION	5.306	5.636	5.367	5.769	3.818	4.628	6.282	6.308	6.090	6.103	6.624	6.599
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.4	0	.4	0	0	0	0	0	0	0	0
39 MPH	.3	.7	.3	.8	0	0	1.9	1.2	1.9	0	1.9	3.0
44 MPH	1.9	3.6	1.9	4.1	0	0	6.3	4.3	5.7	3.1	7.5	6.0
49 MPH	5.9	9.7	6.1	10.3	0	5.6	13.8	15.3	14.2	14.6	13.2	16.4
54 MPH	29.7	29.7	29.8	30.9	28.6	22.2	39.0	36.2	44.3	30.2	28.3	44.8
59 MPH	70.9	71.7	70.9	71.6	71.4	72.2	74.2	70.6	78.3	71.9	66.0	68.7
64 MPH	92.0	95.3	91.6	95.5	100.0	94.4	94.3	92.6	95.3	93.8	92.5	91.0
69 MPH	99.4	98.9	99.4	98.8	100.0	100.0	100.0	98.8	100.0	97.9	100.0	100.0
74 MPH	99.7	100.0	99.7	100.0	100.0	100.0	100.0	99.4	100.0	99.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	156	150	151	133	5	17	82	78	57	47	25	31
AVERAGE SPEED	56.90	56.91	57.00	56.90	56.40	56.94	55.50	56.33	54.60	56.21	57.70	56.52
DIRECTION	WB											
NUMBER OF VEHICLES	167	129	158	110	9	19	77	85	49	49	28	36
AVERAGE SPEED	57.00	56.04	57.00	55.76	56.60	57.63	55.40	55.98	55.60	56.84	55.10	54.81

TABLE 6 SPEED DATA

STATION 4L-32 HIGHWAY U.S. 30 LOCATION 2.9 miles west of Wanatah City Limit sign

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER sunny, hazy, windy

THIS OBSERVATION
DATE 4-6-79
TIME 12:14-1:25 PM EB
10:35-11:45 AM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE 11-10-78
TIME 11:45 AM - 12:13 PM EB
10:42-11:41 AM WB

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	252	230	196	180	56	50	189	199	66	64	123	135
AVE. SPEED (MPH)	59.00	59.29	58.50	59.21	60.50	59.56	59.00	57.40	59.00	57.48	59.00	57.36
STANDARD DEVIATION	5.034	4.853	5.077	4.863	4.592	4.854	5.306	5.599	5.354	6.481	5.302	5.155
24 MPH	0	1	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	.4	0	.5	0	0	0	.5	0	1.5	0	0	0
PERCENT 44 MPH	.8	.4	1.0	.6	0	0	1.6	2.0	1.5	3.1	1.6	1.5
OF 49 MPH	2.4	1.3	2.6	1.7	1.8	0	3.2	10.1	1.5	12.5	4.1	8.9
VEHICLES 54 MPH	16.7	14.8	18.9	15.0	8.9	14.0	16.9	26.1	16.7	26.6	17.1	25.9
TRAVELING 59 MPH	54.8	57.4	59.7	57.2	37.5	58.0	54.0	66.3	51.5	68.8	55.3	65.2
AT OR 64 MPH	89.3	86.5	91.8	86.7	80.4	86.0	91.5	90.5	92.4	85.9	91.1	92.6
LESS THAN 69 MPH	97.6	97.0	98.0	97.2	96.4	96.0	96.3	98.5	97.0	96.9	95.9	99.3
74 MPH	99.6	99.6	99.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	131	114	100	89	31	25	92	103	34	30	58	73
AVERAGE SPEED	58.80	60.54	58.50	60.46	59.50	60.80	58.80	59.45	58.40	60.53	59.00	59.00
DIRECTION	WB											
NUMBER OF VEHICLES	121	116	96	91	25	25	97	96	32	34	65	62
AVERAGE SPEED	59.20	58.06	58.50	57.99	61.80	58.32	59.20	55.20	59.70	54.79	59.00	55.42

TABLE 7 SPEED DATA

STATION 4L-7 HIGHWAY U.S. 40 LOCATION 11.9 miles east of U.S. 231

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER cloudy

THIS OBSERVATION
DATE 3-13-79
TIME 10:35 AM - 1:32 PM EB
1:55-4:58 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE
TIME

		PASSENGER CARS								TRUCKS			
		ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		≥5000 LBS.	
OBSERVATION		LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES		0	266	0	254	0	12	0	154	0	102	0	52
AVE. SPEED (MPH)		0	57.57	0	57.56	0	57.75	0	56.51	0	56.73	0	56.28
STANDARD DEVIATION		0	6.272	0	6.261	0	6.784	0	6.252	0	6.209	0	6.373
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN	24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
	39 MPH	0	.4	0	.4	0	0	0	1.9	0	2.0	0	1.9
	44 MPH	0	3.8	0	3.9	0	0	0	3.9	0	3.9	0	3.8
	49 MPH	0	10.2	0	9.8	0	16.7	0	11.0	0	8.8	0	15.4
	54 MPH	0	28.2	0	28.0	0	33.3	0	33.1	0	36.3	0	26.9
	59 MPH	0	65.0	0	65.4	0	58.3	0	72.1	0	68.6	0	78.8
	64 MPH	0	85.3	0	85.4	0	83.3	0	90.3	0	90.2	0	90.4
	69 MPH	0	97.7	0	97.6	0	100.0	0	97.4	0	97.1	0	98.1
	74 MPH	0	99.6	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
	79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
	84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
	89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	EB												
NUMBER OF VEHICLES		0	115	0	106	0	9	0	90	0	56	0	34
AVERAGE SPEED		0	59.02	0	58.99	0	59.33	0	57.44	0	57.43	0	57.47
DIRECTION	WB												
NUMBER OF VEHICLES		0	151	0	148	0	3	0	64	0	46	0	18
AVERAGE SPEED		0	56.46	0	56.53	0	53.00	0	55.19	0	55.87	0	53.44

TABLE 8 SPEED DATA

STATION 4L-26 HIGHWAY S.R. 9 LOCATION 2.55 miles south of S.R. 128

NO. OF LANES 4 TYPE OF SURFACE blacktop WEATHER lt. fog (am), sunny (pm)

THIS OBSERVATION
DATE 3-21-79
TIME 12:11-1:08 PM NB
10:51-11:59 AM SB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	311	0	305	0	6	0	131	0	80	0	51
AVE. SPEED (MPH)	0	54.86	0	54.93	0	51.17	0	54.53	0	54.86	0	54.00
STANDARD DEVIATION	0	6.089	0	6.066	0	6.726	0	5.683	0	5.865	0	5.400
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	1.0	0	1.0	0	0	0	2.3	0	2.5	0	2.0
PERCENT 44 MPH	0	4.8	0	4.6	0	16.7	0	7.6	0	7.5	0	7.8
OF 49 MPH	0	15.4	0	14.8	0	50.0	0	16.8	0	17.5	0	15.7
VEHICLES 54 MPH	0	46.9	0	46.9	0	50.0	0	42.0	0	40.0	0	45.1
TRAVELING 59 MPH	0	82.0	0	81.6	0	100.0	0	81.7	0	80.0	0	84.3
AT OR 64 MPH	0	94.9	0	94.8	0	100.0	0	99.2	0	98.8	0	100.0
LESS THAN 69 MPH	0	98.7	0	98.7	0	100.0	0	100.0	0	100.0	0	100.0
74 MPH	0	99.4	0	99.3	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.7	0	99.7	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.7	0	99.7	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION NB												
NUMBER OF VEHICLES	0	155	0	154	0	1	0	64	0	38	0	26
AVERAGE SPEED	0	54.04	0	54.11	0	43.00	0	53.73	0	53.89	0	53.50
DIRECTION SB												
NUMBER OF VEHICLES	0	156	0	151	0	5	0	67	0	42	0	25
AVERAGE SPEED	0	55.67	0	55.76	0	52.80	0	55.28	0	55.74	0	54.52

TABLE 9 SPEED DATA

STATION 2L-18 HIGHWAY U.S. 35 LOCATION 2.5 miles east of I-69

NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER cloudy

THIS OBSERVATION
DATE 4-3-79
TIME 10:20 AM - 12:40 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE 10-2-78
TIME 10:05 AM - 1:32 PM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	342	248	313	236	29	12	241	178	90	86	151	92
AVE. SPEED (MPH)	58.00	57.96	57.90	57.90	59.10	59.17	55.10	56.64	57.00	57.70	53.90	55.65
STANDARD DEVIATION	5.608	5.579	5.645	5.616	5.146	4.840	5.658	5.874	4.471	5.626	5.982	5.959
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	.3	0	.3	0	0	0	1.2	0	0	0	2.0	0
PERCENT 44 MPH	.3	.8	.3	.8	0	0	6.6	1.7	1.1	2	9.9	3.3
OF 49 MPH	5.0	4.4	5.4	4.2	0	8.3	14.9	11.2	7.8	8.1	19.2	14.1
VEHICLES 54 MPH	22.8	25.0	23.3	25.0	17.2	25.0	39.8	34.8	24.4	26.7	49.0	42.4
TRAVELING 59 MPH	66.1	62.9	67.4	64.0	51.7	41.7	80.9	69.1	72.2	65.1	86.1	72.8
AT OR 64 MPH	92.4	89.9	93.0	89.4	86.2	100.0	97.5	93.3	96.7	93.0	98.0	93.5
LESS THAN 69 MPH	96.8	96.4	96.8	96.2	96.6	100.0	100.0	98.9	100.0	98.8	100.0	98.9
74 MPH	98.8	99.2	98.7	99.2	100.0	100.0	100.0	99.4	100.0	98.8	100.0	100.0
79 MPH	99.4	100.0	99.4	100.0	100.0	100.0	100.0	99.4	100.0	98.8	100.0	100.0
84 MPH	99.4	100.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	99.7	100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	171	128	156	123	15	5	126	89	46	42	80	41
AVERAGE SPEED	58.40	57.48	58.40	57.45	58.10	58.40	56.20	56.31	57.40	57.54	55.50	54.88
DIRECTION	WB											
NUMBER OF VEHICLES	171	120	157	113	14	7	115	89	44	38	71	51
AVERAGE SPEED	57.60	58.47	57.40	58.40	60.20	59.71	53.80	56.97	56.50	57.89	52.10	56.27

TABLE 10 SPEED DATA

STATION 2L-54 HIGHWAY U.S. 231 LOCATION 1.1 miles south of S.R. 234

NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER clear, sunny

THIS OBSERVATION
DATE 3-16-79
TIME 10:07 AM - 12:57 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE 10-3-78
TIME 10:09 AM - 1:00 PM

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	217	251	204	211	13	40	218	181	84	86	134	95
AVE. SPEED (MPH)	57.40	57.75	57.30	57.37	58.60	59.70	56.70	56.67	57.80	57.90	56.00	55.57
STANDARD DEVIATION	5.653	5.838	5.614	5.355	6.345	7.707	6.407	6.193	6.070	6.172	6.540	6.033
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	.5	0	0	0	.7	0
39 MPH	.5	0	.5	0	0	0	2.3	0	1.2	0	3.0	0
44 MPH	.9	.4	1.0	0	0	2.5	2.8	2.2	1.2	0	3.7	4.2
49 MPH	7.4	6.4	7.4	6.2	7.7	7.5	10.6	11.6	4.8	9.3	14.2	13.7
54 MPH	28.6	28.3	28.9	29.9	23.1	20.0	30.7	37.6	25.0	31.4	34.3	43.2
59 MPH	68.2	64.5	69.1	65.4	53.8	60.0	68.3	66.3	65.5	61.6	70.1	70.5
64 MPH	90.8	88.4	91.2	89.6	84.6	82.5	92.7	89.0	91.7	86.0	93.3	91.6
69 MPH	97.7	97.2	97.5	97.6	100.0	95.0	97.7	97.8	95.2	95.3	99.3	100.0
74 MPH	100.0	99.2	100.0	99.5	100.0	97.5	99.5	100.0	98.8	100.0	100.0	100.0
79 MPH	100.0	99.6	100.0	100.0	100.0	97.5	99.5	100.0	98.8	100.0	100.0	100.0
84 MPH	100.0	99.6	100.0	100.0	100.0	97.5	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION	NB											
NUMBER OF VEHICLES	106	122	99	102	7	20	109	99	43	46	66	53
AVERAGE SPEED	57.00	57.64	56.70	56.84	61.40	61.70	57.20	57.21	58.20	59.02	56.60	55.64
DIRECTION	SB											
NUMBER OF VEHICLES	111	129	105	109	6	20	109	82	41	40	68	42
AVERAGE SPEED	57.70	57.84	57.90	57.87	55.30	57.70	56.20	56.02	57.40	56.60	55.50	55.48

TABLE 11 SPEED DATA

STATION 2L-30 HIGHWAY U.S. 52 LOCATION 1.1 miles east of New Palestine

NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER clear

THIS OBSERVATION
DATE 3-15-79
TIME 11:20 AM - 1:55 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	291	0	284	0	7	0	146	0	90	0	56
AVE. SPEED (MPH)	0	55.33	0	55.44	0	51.00	0	53.36	0	54.33	0	51.82
STANDARD DEVIATION	0	6.679	0	6.639	0	7.416	0	6.883	0	6.702	0	6.942
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	1.4	0	0	0	3.6
39 MPH	0	1.4	0	1.4	0	0	0	2.7	0	2.2	0	3.6
PERCENT 44 MPH	0	4.8	0	4.6	0	14.3	0	8.2	0	6.7	0	10.7
OF 49 MPH	0	15.5	0	14.8	0	42.9	0	23.3	0	17.8	0	32.1
VEHICLES 54 MPH	0	44.7	0	43.7	0	85.7	0	58.2	0	52.2	0	67.9
TRAVELING 59 MPH	0	78.0	0	77.8	0	85.7	0	84.9	0	82.2	0	89.3
AT OR 64 MPH	0	91.4	0	91.5	0	85.7	0	95.9	0	94.4	0	98.2
LESS THAN 69 MPH	0	97.9	0	97.9	0	100.0	0	98.6	0	97.8	0	100.0
74 MPH	0	99.0	0	98.9	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.3	0	99.3	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.7	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	148	0	146	0	2	0	72	0	47	0	25
AVERAGE SPEED	0	55.01	0	55.10	0	49.00	0	53.51	0	53.94	0	52.72
DIRECTION WB												
NUMBER OF VEHICLES	0	143	0	138	0	5	0	74	0	43	0	31
AVERAGE SPEED	0	55.66	0	55.80	0	51.80	0	53.22	0	54.77	0	51.26

TABLE 12 SPEED DATA

STATION 2L-23 HIGHWAY S.R. 28 LOCATION 1.8 miles west of S.R. 341

NO. OF LANES 2 TYPE OF SURFACE blacktop WEATHER clear, sunny

THIS OBSERVATION
DATE 3-22-79
TIME 10:00 AM - 1:10 PM

LAST PREVIOUS OBSERVATION (SPEED REPORT NO.)
DATE
TIME

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.	>5000 LBS.
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	PRES-ENT	PRES-ENT
NUMBER OF VEHICLES	0	267	0	248	0	19	0	157	77	80
AVE. SPEED (MPH)	0	58.82	0	58.76	0	59.53	0	57.31	57.62	57.00
STANDARD DEVIATION	0	6.519	0	6.655	0	4.439	0	5.722	6.594	4.757
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.4	0	.4	0	0	0	0	0	0
39 MPH	0	1.1	0	1.2	0	0	0	0	0	0
44 MPH	0	2.2	0	2.4	0	0	0	1.9	3.9	0
49 MPH	0	4.5	0	4.8	0	0	0	5.1	5.2	5.0
54 MPH	0	20.6	0	21.4	0	10.5	0	28.7	28.6	28.8
59 MPH	0	59.2	0	58.9	0	63.2	0	67.5	66.2	68.8
64 MPH	0	82.4	0	82.7	0	78.9	0	90.4	87.0	93.8
69 MPH	0	93.6	0	93.1	0	100.0	0	98.1	96.1	100.0
74 MPH	0	98.5	0	98.4	0	100.0	0	98.7	97.4	100.0
79 MPH	0	100.0	0	100.0	0	100.0	0	99.4	98.7	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	100.0	100.0
DIRECTION EB										
NUMBER OF VEHICLES	0	144	0	135	0	9	0	68	34	34
AVERAGE SPEED	0	57.15	0	57.09	0	58.00	0	55.65	56.03	55.26
DIRECTION WB										
NUMBER OF VEHICLES	0	123	0	113	0	10	0	89	43	46
AVERAGE SPEED	0	60.77	0	60.76	0	60.90	0	58.57	58.88	58.28

TABLE 13 SPEED DATA

STATION UI-6 HIGHWAY I-65 LOCATION just east of White River

NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER partly cloudy

THIS OBSERVATION
DATE 3-27-79
TIME 10:13-11:01 AM EB
11:14-11:50 AM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE 11-20-78
TIME 1:09 - 1:55 PM EB
2:15 - 2:50 PM WB

	PASSENGER CARS								TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.			
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT		
NUMBER OF VEHICLES	275	273	255	256	20	17	161	149	78	82	83	67		
AVE. SPEED (MPH)	59.50	58.33	59.50	58.25	59.40	59.53	58.00	57.13	58.40	58.07	57.70	55.97		
STANDARD DEVIATION	4.804	4.515	4.920	4.485	3.052	4.926	4.134	4.559	4.079	4.124	4.181	4.824		
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0		
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0		
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0		
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0		
44 MPH	0	0	0	0	0	0	.6	1.3	0	0	1.2	3.0		
49 MPH	1.1	2.9	1.2	3.1	0	0	2.5	4.7	2.6	1.2	2.4	9.0		
54 MPH	13.5	17.6	13.7	17.6	10.0	17.6	15.5	26.2	15.4	22.0	15.7	31.3		
59 MPH	55.3	61.2	56.1	61.7	45.0	52.9	64.6	71.1	62.8	64.6	66.3	79.1		
64 MPH	86.2	93.8	85.5	93.8	95.0	94.1	95.7	96.6	93.6	95.1	97.6	98.5		
69 MPH	97.5	98.9	97.3	99.2	100.0	94.1	98.8	100.0	98.7	100.0	98.8	100.0		
74 MPH	99.3	99.6	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
79 MPH	100.0	99.6	100.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
DIRECTION	EB													
NUMBER OF VEHICLES	142	136	132	130	10	6	75	74	35	41	40	33		
AVERAGE SPEED	59.20	58.37	59.20	58.40	59.80	57.67	57.80	57.26	58.10	58.00	57.50	56.33		
DIRECTION	WB													
NUMBER OF VEHICLES	133	137	123	126	10	11	86	75	43	41	43	34		
AVERAGE SPEED	59.80	58.28	59.90	58.09	59.10	60.55	58.30	57.00	58.70	58.15	57.80	55.62		

TABLE 14 SPEED DATA

STATION UI-7 HIGHWAY I-70 LOCATION 0.6 miles east of I-465 (west leg)

NO. OF LANES 6 TYPE OF SURFACE concrete WEATHER partly cloudy

THIS OBSERVATION
DATE 3-27-79
TIME 1:44-2:19 PM EB
12:33-1:22 PM WB

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. ____)
DATE
TIME

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		≤5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	221	0	178	0	43	0	207	0	85	0	122
AVE. SPEED (MPH)	0	59.43	0	59.51	0	59.09	0	57.55	0	57.78	0	57.39
STANDARD DEVIATION	0	4.687	0	4.697	0	4.684	0	4.971	0	4.526	0	5.272
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.5	0	1	0	.8
44 MPH	0	0	0	0	0	0	0	.5	0	0	0	.8
49 MPH	0	1.8	0	2.2	0	0	0	5.3	0	4.7	0	7.4
54 MPH	0	12.7	0	12.9	0	11.6	0	24.2	0	23.5	0	24.6
59 MPH	0	53.8	0	51.1	0	65.1	0	64.7	0	63.5	0	65.6
64 MPH	0	88.2	0	88.8	0	86.0	0	94.7	0	95.3	0	94.3
69 MPH	0	97.7	0	98.3	0	95.3	0	99.0	0	100.0	0	98.4
74 MPH	0	99.1	0	98.9	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.5	0	99.4	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	0	112	0	99	0	13	0	103	0	54	0	49
AVERAGE SPEED	0	60.03	0	60.01	0	60.15	0	57.65	0	57.98	0	57.29
DIRECTION WB												
NUMBER OF VEHICLES	0	109	0	79	0	30	0	104	0	31	0	73
AVERAGE SPEED	0	58.82	0	58.89	0	58.63	0	57.44	0	57.42	0	57.45

TABLE 15 SPEED DATA

STATION RIALL HIGHWAY Rural Interstate LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE March-April 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE October-December 1978
TIME _____

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	1061	0	744	0	317	0	668	0	250	0	418
AVE. SPEED (MPH)	0	60.38	0	60.40	0	60.35	0	59.94	0	59.10	0	60.44
STANDARD DEVIATION	0	4.961	0	4.980	0	4.923	0	5.236	0	5.389	0	5.082
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	.1	0	.1	0	0	0	0	0	0	0	0
PERCENT 44 MPH	0	.3	0	.4	0	0	0	.1	0	0	0	.2
OF 49 MPH	0	1.2	0	1.1	0	1.6	0	3.6	0	5.2	0	2.6
VEHICLES 54 MPH	0	9.6	0	9.5	0	9.8	0	13.5	0	17.6	0	11.0
TRAVELING 59 MPH	0	43.7	0	44.0	0	43.2	0	45.7	0	53.2	0	41.1
AT OR 64 MPH	0	83.3	0	83.3	0	83.3	0	80.7	0	86.8	0	77.0
LESS THAN 69 MPH	0	95.6	0	95.3	0	96.2	0	96.9	0	95.6	0	97.6
74 MPH	0	98.9	0	98.9	0	98.7	0	99.7	0	99.6	0	99.8
79 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 16 SPEED DATA

STATION 4LALL HIGHWAY 4 lane LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION.
DATE March-April 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE October-December 1978
TIME _____

	PASSENGER CARS						TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	1086	0	982	0	104	0	647	0	342	0	305
AVE. SPEED (MPH)	0	56.88	0	56.75	0	58.09	0	56.29	0	56.38	0	56.19
STANDARD DEVIATION	0	5.989	0	6.032	0	5.445	0	6.231	0	6.192	0	5.854
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.1	0	.1	0	0	0	0	0	0	0	0
39 MPH	0	.6	0	.6	0	0	0	1.2	0	1.2	0	1.3
PERCENT 44 MPH	0	3.3	0	3.6	0	1.0	0	4.2	0	4.4	0	3.9
OF 49 MPH	0	9.7	0	10.0	0	6.7	0	13.0	0	13.2	0	12.8
VEHICLES 54 MPH	0	31.1	0	32.2	0	21.2	0	33.5	0	33.6	0	33.4
TRAVELING 59 MPH	0	70.1	0	70.5	0	65.4	0	71.9	0	72.2	0	71.5
AT OR 64 MPH	0	90.9	0	91.0	0	89.4	0	92.7	0	92.4	0	93.1
LESS THAN 69 MPH	0	98.2	0	98.2	0	98.1	0	98.6	0	98.0	0	99.3
74 MPH	0	99.6	0	99.6	0	100.0	0	99.8	0	99.7	0	100.0
79 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 17 SPEED DATA

STATION 2LALL HIGHWAY 2 lane LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE March-April 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE October-December 1978
TIME _____

	PASSENGER CARS						TRUCKS					
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	1057	0	979	0	78	[illegible]	[illegible]	0	419	0	323
AVE. SPEED (MPH)	0	57.40	0	57.29	0	58.79	[illegible]	[illegible]	0	[illegible]	0	55.29
STANDARD DEVIATION	0	6.332	0	6.270	0	6.959	[illegible]	[illegible]	0	6.478	0	6.111
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.1	0	.1	0	0	0	.3	0	.1	0	.6
39 MPH	0	.7	0	.7	0	0	0	.6	0	.6	0	.6
PERCENT 44 MPH	0	2.2	0	2.1	0	2.6	0	3.3	0	2.7	0	4.0
OF 49 MPH	0	7.9	0	7.9	0	9.0	0	12.5	0	10.3	0	14.9
VEHICLES 54 MPH	0	30.1	0	30.5	0	24.4	0	39.3	0	35.1	0	43.7
TRAVELING 59 MPH	0	66.5	0	67.0	0	60.3	0	71.5	0	69.0	0	74.0
AT OR 64 MPH	0	88.1	0	88.4	0	84.6	0	92.0	0	92.3	0	93.8
LESS THAN 69 MPH	0	96.3	0	96.2	0	97.4	0	98.3	0	97.1	0	99.7
74 MPH	0	99.0	0	99.0	0	98.7	0	99.5	0	99.1	0	100.0
79 MPH	0	99.7	0	99.8	0	98.7	0	99.7	0	99.4	0	100.0
84 MPH	0	99.8	0	99.9	0	98.7	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 18 -- SPEED DATA

STATION UIALL HIGHWAY Urban Interstate LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE March-April 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE October-December 1978
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT	LAST	PRESENT
NUMBER OF VEHICLES	0	494	0	434	0	60	0	356	0	167	0	189
AVE. SPEED (MPH)	0	58.82	0	58.76	0	59.22	0	57.37	0	57.92	0	56.88
STANDARD DEVIATION	0	4.620	0	4.610	0	4.716	0	4.301	0	4.323	0	5.150
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	.3	0	0	0	.5
44 MPH	0	0	0	0	0	0	0	.8	0	0	0	1.6
49 MPH	0	2.4	0	2.8	0	0	0	5.6	0	3.0	0	7.9
54 MPH	0	15.4	0	15.7	0	13.3	0	25.0	0	22.8	0	27.0
59 MPH	0	57.9	0	57.4	0	61.7	0	67.4	0	64.1	0	70.4
64 MPH	0	91.3	0	91.7	0	88.3	0	95.5	0	95.2	0	95.8
69 MPH	0	98.4	0	98.8	0	95.0	0	99.4	0	100.0	0	98.9
74 MPH	0	99.4	0	99.3	0	100.0	0	100.0	0	100.0	0	100.0
79 MPH	0	99.6	0	99.5	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

TABLE 19 SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION see individual stations

NO. OF LANES _____ TYPE OF SURFACE _____ WEATHER _____

THIS OBSERVATION
DATE March-April 1979
TIME _____

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 107)
DATE October-December 1978
TIME _____

	PASSENGER CARS								TRUCKS			
	ALL		INDIANA		NON-INDIANA		ALL		<5000 LBS.		>5000 LBS.	
OBSERVATION	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT	LAST	PRES-ENT
NUMBER OF VEHICLES	0	3698	0	3139	0	559	0	2333	0	1098	0	1235
AVE. SPEED (MPH)	0	58.29	0	58.06	0	59.59	0	57.44	0	57.37	0	57.50
STANDARD DEVIATION	0	5.830	0	5.875	0	5.393	0	5.953	0	5.935	0	5.970
PERCENT OF VEHICLES TRAVELING AT OR LESS THAN 24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	.1	0	.1	0	0	0	.1	0	0	0	.2
39 MPH	0	.4	0	.4	0	0	0	.6	0	.5	0	.6
44 MPH	0	1.7	0	1.9	0	.5	0	2.3	0	2.2	0	2.3
49 MPH	0	5.8	0	6.2	0	3.4	0	9.0	0	8.9	0	9.1
54 MPH	0	22.6	0	24.0	0	14.3	0	28.1	0	28.8	0	27.5
59 MPH	0	59.8	0	61.3	0	51.7	0	63.6	0	65.7	0	61.7
64 MPH	0	88.0	0	88.5	0	85.2	0	89.5	0	90.9	0	88.3
69 MPH	0	96.9	0	97.0	0	96.6	0	98.2	0	97.4	0	98.8
74 MPH	0	99.2	0	99.2	0	99.1	0	99.7	0	99.5	0	99.9
79 MPH	0	99.8	0	99.8	0	99.8	0	99.9	0	99.8	0	100.0
84 MPH	0	99.9	0	99.9	0	99.8	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0

Table 20

Monitoring of Speed
(Statistical Summary)

[x] Quarterly Report--Calendar Quarter Ending March 31, 1979

or

[ ] Annual Report--Year Ending _____

STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	2	850	2.8	58.2	57.9	62.2	75	28	5
Interstate Rural	849	4	1,729	8.5	60.2	59.6	64.6	85	46	13
Multi-lane, Divided	657	4	1,733	13.6	56.7	56.3	62.0	61	24	6
Multi-lane, Undivided				(Included in multi-lane, divided classification)						
2-Lane, Rural	8,030	4	1,719	10.9	56.9	56.2	62.3	59	25	8
State Total	9,754	14	6,031	35.8	58.0	57.5	63.1	69	31	8

TABLE 21

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-6 LOCATION I-65 2.3 miles south of SR 56

NUMBER OF SESSIONS 1 DATES 4-5-79 VEHICLES MEASURED 447

AVERAGE SPEED (MPH) 60.7 STANDARD DEVIATION 4.5

MEDIAN SPEED (MPH) 60.0 85TH PERCENTILE SPEED (MPH) 64.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 89. 60 MPH 50. 65 MPH 13.

TABLE 22

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-21 LOCATION I-69 1.6 miles south of SR 18

NUMBER OF SESSIONS 1 DATES 3-14-79 VEHICLES MEASURED 427

AVERAGE SPEED (MPH) 59.2 STANDARD DEVIATION 4.9

MEDIAN SPEED (MPH) 58.9 85TH PERCENTILE SPEED (MPH) 63.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 79. 60 MPH 39. 65 MPH 9.

TABLE 23

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-5 LOCATION I-64 5.35 miles east of SR 135

NUMBER OF SESSIONS 1 DATES 4-9-79 VEHICLES MEASURED 431

AVERAGE SPEED (MPH) 60.3 STANDARD DEVIATION 5.5

MEDIAN SPEED (MPH) 59.6 85TH PERCENTILE SPEED (MPH) 64.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 84. 60 MPH 47. 65 MPH 14.

TABLE 24

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL

STATION NUMBER RI-20 LOCATION I-69 2.4 miles north of SR 28

NUMBER OF SESSIONS 1 DATES 3-21-79 VEHICLES MEASURED 424

AVERAGE SPEED (MPH) 60.6 STANDARD DEVIATION 5.2

MEDIAN SPEED (MPH) 59.9 85TH PERCENTILE SPEED (MPH) 65.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 87. 60 MPH 49. 65 MPH 16.

TABLE 25

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-17 LOCATION US 52, 150' east of CR 475W, Tippecano Co.

NUMBER OF SESSIONS 1 DATES 3-12-79 VEHICLES MEASURED 442

AVERAGE SPEED (MPH) 56.4 STANDARD DEVIATION 5.9

MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.5

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 60.6 60 MPH 24.6 65 MPH 3.

TABLE 26

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-32 LOCATION US 30, 2.9 miles west of Wanatah City limit sign

NUMBER OF SESSIONS 1 DATES 4-6-79 VEHICLES MEASURED 429

AVERAGE SPEED (MPH) 58.4 STANDARD DEVIATION 5.3

MEDIAN SPEED (MPH) 57.7 85TH PERCENTILE SPEED (MPH) 63.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 74. 60 MPH 32. 65 MPH 8.

TABLE 27

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-7 LOCATION US 40, 11.9 miles east of US 231

NUMBER OF SESSIONS 1 DATES 3-13-79 VEHICLES MEASURED 420

AVERAGE SPEED (MPH) 57.2 STANDARD DEVIATION 6.3

MEDIAN SPEED (MPH) 56.6 85TH PERCENTILE SPEED (MPH) 62.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 64. 60 MPH 26. 65 MPH 9.

TABLE 28

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)

STATION NUMBER 4L-26 LOCATION SR 9, 2.55 miles south of SR 128

NUMBER OF SESSIONS 1 DATES 3-21-79 VEHICLES MEASURED 442

AVERAGE SPEED (MPH) 54.8 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 54.6 85TH PERCENTILE SPEED (MPH) 59.6

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 47. 60 MPH 13. 65 MPH 3.

TABLE 29

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-18 LOCATION US 35, 2.4 miles east of I-69

NUMBER OF SESSIONS 1 DATES 4-3-79 VEHICLES MEASURED 426

AVERAGE SPEED (MPH) 57.4 STANDARD DEVIATION 5.7

MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 62.1

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 64. 60 MPH 28. 65 MPH 8.

TABLE 30

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-54 LOCATION US 231, 1.1 miles south of SR 234

NUMBER OF SESSIONS 1 DATES 3-16-79 VEHICLES MEASURED 432

AVERAGE SPEED (MPH) 57.3 STANDARD DEVIATION 6.0

MEDIAN SPEED (MPH) 56.8 85TH PERCENTILE SPEED (MPH) 63.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 61. 60 MPH 27. 65 MPH 7.

TABLE 31

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-30 LOCATION US 52, 1.1 miles east of New Palestine

NUMBER OF SESSIONS 1 DATES 3-15-79 VEHICLES MEASURED 437

AVERAGE SPEED (MPH) 54.7 STANDARD DEVIATION 6.8

MEDIAN SPEED (MPH) 54.1 85TH PERCENTILE SPEED (MPH) 60.2

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 43. 60 MPH 16. 65 MPH 6.

TABLE 32

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL

STATION NUMBER 2L-23 LOCATION SR 28, 1.8 miles west of SR 341

NUMBER OF SESSIONS 1 DATES 3-22-79 VEHICLES MEASURED 424

AVERAGE SPEED (MPH) 58.3 STANDARD DEVIATION 6.3

MEDIAN SPEED (MPH) 57.1 85TH PERCENTILE SPEED (MPH) 63.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 68. 60 MPH 32. 65 MPH 13.

TABLE 33

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-6 LOCATION I-65, just east of White River

NUMBER OF SESSIONS 1 DATES 3-27-79 VEHICLES MEASURED 422

AVERAGE SPEED (MPH) 57.9 STANDARD DEVIATION 4.6

MEDIAN SPEED (MPH) 57.5 85TH PERCENTILE SPEED (MPH) 61.8

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 74. 60 MPH 25. 65 MPH 4.

TABLE 34

SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN

STATION NUMBER UI-7 LOCATION I-70, 0.6 miles east of I-465 (west leg)

NUMBER OF SESSIONS 1 DATES 3-27-79 VEHICLES MEASURED 428

AVERAGE SPEED (MPH) 58.5 STANDARD DEVIATION 4.9

MEDIAN SPEED (MPH) 58.2 85TH PERCENTILE SPEED (MPH) 62.7

PERCENTAGE OF VEHICLES EXCEEDING:

55 MPH 77. 60 MPH 31. 65 MPH 7.